



FACTS ABOUT A UTILITY WASTE MANAGEMENT FACILITY LOCATED ON AMERENUE'S LABADIE POWER PLANT PROPERTY



Location

The utility waste management facility will be developed at the Labadie Power Plant on levee-protected property between the Missouri River and the hills to the south in Franklin County, MO. AmerenUE's Labadie Plant began operation in 1970 and generates approximately 2,400 megawatts of power.

Project Description

This utility waste management facility will provide long-term or permanent storage of coal combustion products that result from the removal of emissions from coal combustion gases. These include fly ash, bottom ash and future scrubber waste. The facility will be located on 400 acres of a 1,169 acre parcel east of the Labadie Plant.

Reason for this Project

Burning coal results in products that fall to the bottom of the boiler (bottom ash) or are removed from the flue gas (fly ash) to reduce the amount of particulate matter released to the environment. Water is generally used to transport ash in a slurry out to a pond, where the ash settles and the excess water is discharged in accordance with the facility permit. The ponds at Labadie are filling to the point that alternatives must be developed, and future ash production will be handled dry. In addition to ash, Labadie has future plans to install scrubbers, which will reduce sulfur dioxide emissions. Coal combustion products from some of UE's plants that cannot be reused or recycled will also be managed in this facility.

NOTE: UE has been a leader in reducing air emissions. Since 1990, the company has reduced emissions of sulfur dioxide by more than 67 percent and nitrogen oxide by more than 65 percent.

Environmental Impact

The management facility will be developed in an accepted hydrogeological setting and designed to be protective of the environment in accordance with federal and state regulations. The materials to be deposited are an inorganic non-hazardous waste and are the product from the combustion of coal.

UE has been successful in recent years in finding alternative uses for the ash as a direct replacement for concrete, blast grit, and roofing shingles, so that on average less than 40% of the ash generated is retained on-site. This reuse reduces the overall cost of generating electricity, saving valuable landfill space and preserving the natural landscape.

National recognition has gone to Labadie Plant, which in 2006, opened the AmerenUE/Charah, Inc. Concrete Packaging Facility, a concrete packaging facility that is recycling more than 10,000 tons of fly ash and 60,000 tons of bottom ash annually into about two million bags of high-quality concrete mix.

Estimated Schedule

Facility construction starting in 2012. Begin operating in Fall 2013 or 2014.

Principal Regulatory Reviewers

Missouri Department of Natural Resources, Franklin County as well as other federal, state, county and local agencies.

